

REMARKS

Entry of the foregoing, re-examination and reconsideration of the subject application, as amended, pursuant to and consistent with 37 C.F.R. §1.112, and in light of the remarks which follow, are respectfully requested.

Claims 11, 12 and 14 have been amended to correct typographical errors made in the Amendment filed on December 11, 2002.

From the foregoing, further and favorable action in the form of a Notice of Allowance is believed to be next in order and such action is earnestly solicited. If there are any questions concerning this paper or the application in general, the Examiner is invited to telephone the undersigned at (703) 838-6683.

Respectfully submitted,

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Date: January 13, 2003

Attachment to Supplemental Amendment dated January 13, 2003

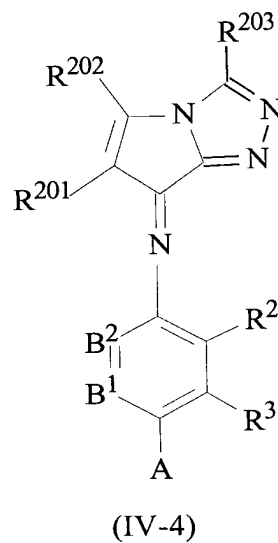
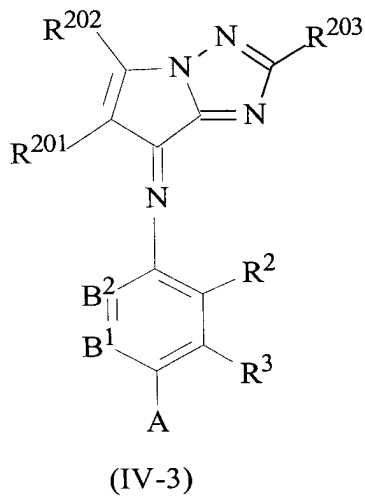
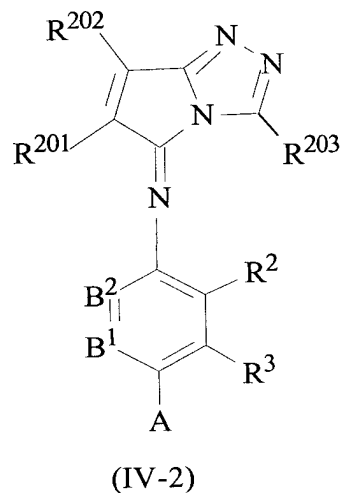
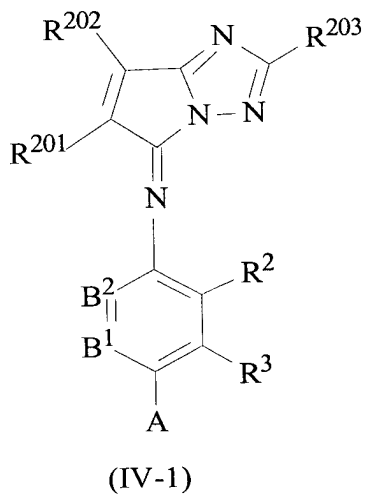
Marked-up Claims 1, 4, 9-12 and 14

Kindly replace claims 11, 12 and 14 as follows:

11. (Twice Amended) An ink-jet ink according to claim 1, wherein the oil-soluble dye of formula (I) is at least one of compounds represented in the following general formulas [(JV-1)] (IV-1) to (IV-4):

Attachment to Supplemental Amendment dated January 13, 2003

Marked-up Claims 1, 4, 9-12 and 14



wherein, A, R², R³, B¹, and B² are synonymous with A, R², R³, B¹, and B² in said general formula (I);

Attachment to Supplemental Amendment dated January 13, 2003

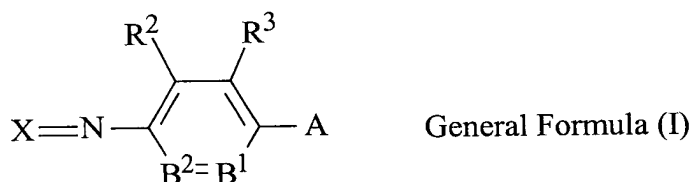
Marked-up Claims 1, 4, 9-12 and 14

R^{201} , R^{202} , and R^{203} represent respectively independently a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, $-OR^{11}$, $-SR^{12}$, $-CO_2R^{13}$, $-OCOR^{14}$, $-NR^{15}R^{16}$, $-CONR^{17}R^{18}$, $-SO_2R^{19}$, $-SO_2NR^{20}R^{21}$, $-NR^{22}CONR^{23}R^{24}$, $-NR^{25}CO_2R^{26}$ - COR^{27} , $-NR^{28}COR^{29}$, or $-NR^{30}SO_2R^{31}$;

R^{11} , R^{12} , R^{13} , R^{14} , R^{15} , R^{16} , R^{17} , R^{18} , R^{19} , R^{20} , R^{21} , R^{22} , R^{23} , R^{24} , R^{25} , R^{26} , R^{27} , R^{28} , R^{29} , R^{30} , and R^{31} represent respectively independently a hydrogen atom, an aliphatic group or an aromatic group; and

R^{201} and R^{202} optionally may be combined with each other to form a ring structure.

12. (Twice Amended) A coloring composition formed by dispersing coloring particulates in a water-based medium, the coloring particulates containing a nonionic oil-soluble polymer, a hydrophobic high boiling point organic solvent having a boiling point of $150^{\circ}C$ or more, and an oil-soluble dye, wherein the oil-soluble dye is represented by the following general formula (I):



wherein, X represents the residue of a color coupler;

A represents $-NR^4R^5$ or a hydroxyl group;

Attachment to Supplemental Amendment dated January 13, 2003

Marked-up Claims 1, 4, 9-12 and 14

R⁴ and R⁵ represent respectively independently a hydrogen atom, an aliphatic group, an aromatic group, or a heterocyclic group;

B¹ represents =C(R⁶)- or =N-;

B² represents -C(R⁷) = or -N=;

R², R³, R⁶, and R⁷ represent respectively independently a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, [-^{SR51}]
-SR⁵¹, -SR⁵², -CO₂R⁵³, -OCOR⁵⁴, -NR⁵⁵R⁵⁶, -CONR⁵⁷R⁵⁸, -SO₂R⁵⁹, -SO₂NR⁶⁰R⁶¹, -
NR⁶²CONR⁶³R⁶⁴, -NR⁶⁵CO₂R⁶⁶, -COR⁶⁷, -NR⁶⁸COR⁶⁹, or -NR⁷⁰SO₂R⁷¹;

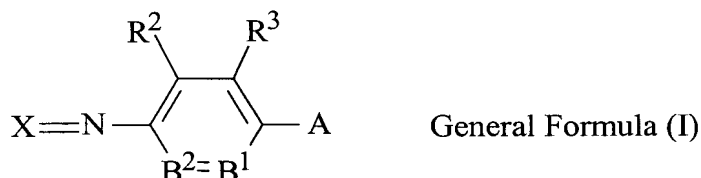
R⁵¹, R⁵², R⁵³, R⁵⁴, R⁵⁵, R⁵⁶, R⁵⁷, R⁵⁸, R⁵⁹, R⁶⁰, R⁶¹, R⁶², R⁶³, R⁶⁴, R⁶⁵, R⁶⁶, R⁶⁷, R⁶⁸,
R⁶⁹, R⁷⁰, and R⁷¹ represent respectively independently a hydrogen atom, an aliphatic group, or an aromatic group; and

R² and R³, R³ and R⁴, R⁴ and R⁵, R⁵ and R⁶, and R⁶ and R⁷ optionally may be connected to each other to form rings.

14. (Twice Amended) An ink jet recording method, in which recording is carried out using an ink-jet ink which contains a coloring composition, the coloring composition being formed by dispersing coloring particulates in a water-based medium, the coloring particulates containing a nonionic oil-soluble polymer, a hydrophobic high boiling point organic solvent having a boiling point of 150°C or more, and an oil-soluble dye, wherein the oil-soluble dye is represented by the following general formula (I):

Attachment to Supplemental Amendment dated January 13, 2003

Marked-up Claims 1, 4, 9-12 and 14



wherein, X represents the residue of a color coupler;

A represents -NR⁴R⁵ or a hydroxyl group;

R⁴ and R⁵ represent respectively independently a hydrogen atom, an aliphatic group, an aromatic group, or a heterocyclic group;

B¹ represents =C(R⁶)- or =N-;

B² represents -C(R⁷) = or -N=;

R², R³, R⁶, and R⁷ represent respectively independently a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, [-SR⁵¹] -SR⁵¹, -SR⁵², -CO₂R⁵³, -OCOR⁵⁴, -NR⁵⁵R⁵⁶, -CONR⁵⁷R⁵⁸, -SO₂R⁵⁹, -SO₂NR⁶⁰R⁶¹, -NR⁶²CONR⁶³R⁶⁴, -NR⁶⁵CO₂R⁶⁶, -COR⁶⁷, -NR⁶⁸COR⁶⁹, or -NR⁷⁰SO₂R⁷¹;

R⁵¹, R⁵², R⁵³, R⁵⁴, R⁵⁵, R⁵⁶, R⁵⁷, R⁵⁸, R⁵⁹, R⁶⁰, R⁶¹, R⁶², R⁶³, R⁶⁴, R⁶⁵, R⁶⁶, R⁶⁷, R⁶⁸, R⁶⁹, R⁷⁰, and R⁷¹ represent respectively independently a hydrogen atom, an aliphatic group, or an aromatic group; and

R² and R³, R³ and R⁴, R⁴ and R⁵, R⁵ and R⁶, and R⁶ and R⁷ optionally may be connected to each other to form rings.